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PATENT APPLICATION: US/10/057,136

DATE: 02/11/2002

TIME: 09:42:34

Input Set : N:\Crf3\RULE60\10057136.txt

Output Set: N:\CRF3\02112002\J057136.raw

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3 <110> APPLICANT: SCHLOM, JEFFREY
4      KANTOR, JUDITH
5      KUFE, DONALD
6      PANICALI, DENNIS
7      GRITZ, LINDA
9 <120> TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
10     TUMOR-ASSOCIATED ANTIGEN
12 <130> FILE REFERENCE: 700953/47113C
14 <140> CURRENT APPLICATION NUMBER: 10/057,136
15 <141> CURRENT FILING DATE: 2002-01-25
17 <150> PRIOR APPLICATION NUMBER: 09/366,670
18 <151> PRIOR FILING DATE: 1999-08-03
20 <150> PRIOR APPLICATION NUMBER: PCT/US98/03693
21 <151> PRIOR FILING DATE: 1998-02-24
23 <150> PRIOR APPLICATION NUMBER: 60/038,253
24 <151> PRIOR FILING DATE: 1997-02-24
26 <160> NUMBER OF SEQ ID NOS: 20
28 <170> SOFTWARE: PatentIn Ver. 2.1
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 20
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
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40           20
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53 <211> LENGTH: 7
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55 <213> ORGANISM: Homo sapiens
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62 <210> SEQ ID NO: 4
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72 <211> LENGTH: 60
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74 <213> ORGANISM: Homo sapiens
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81 <211> LENGTH: 60
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
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91 <212> TYPE: DNA
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127 <212> TYPE: DNA
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164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
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178   1           5           10           15
180 Arg Arg Ala Pro
181           20
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193 Arg Pro Ala Leu
194           20
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198 <211> LENGTH: 13
199 <212> TYPE: PRT
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202 <400> SEQUENCE: 18
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204   1           5           10
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208 <211> LENGTH: 1527
209 <212> TYPE: DNA

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214 accacagccc ctaaaccgcg aacagttgtt acgggtttctg gtcatgcaag ctctacccca 120
215 ggtggagaaa aggagacttc ggctacccag agaagttcag tgcccagctc tactgagaag 180
216 aatgctgtga gtatgacaag cttgatatcg aattccgggtg tccggggctc caccgcccc 240
217 ccagcccaag gtgtcacctc ggccccggac accaggccgg ccccgggctc caccgcccc 300
218 ccagcccaag gtgtcacctc ggccccggac accaggccgg ccccgggctc caccgcccc 360
219 ccagcccaag gtgtcacctc ggccccggac accaggccgg ccccgggctc caccgcccc 420
220 ccagcccaag gtgtcacctc ggccccggac accaggccgg ccccgggctc caccgcccc 480
221 ccgggtccca ccgccccccc agcccacggt gtcacctcgg ccccggaac caggccggcc 540
222 ccgggtccca ccgccccccc agcccacggt gtcacctcgg ccccggaac caggccggcc 600
223 ttgggtccca ccgccccccc agtccacaat gtcacctcgg cctcaggctc tgcacaggcc 660
224 tcagcttcta ctctgggtga caacggcacc tctgccaggg ctaccacaac cccagccagc 720
225 aagagcactc cattctcaat tcccagccac cactctgata ctccctaccac ccttgccagc 780
226 catagcacca agactgatgc cagtagcact caccatagca cggtagcctc tctcacctcc 840
227 tccaatcaca gcacttctec ccagttgtct actgggtgtc ctttcttttt cctgtctttt 900
228 cacatttcaa acctccagtt tccttctctc ctgcaagatc ccagcaccga ctactaccaa 960
229 gagctgcaga gagacatttc tcaaagtgtt ttgcagattt ataaacaagg gggttttctg 1020
230 ggctcttcca atattaagtt caggccagga tctgtgctgg tacaattgac tctggccttc 1080
231 cgagaaggta ccatcaatgt ccacgacgtg gagacacagt tcaatcagta taaaacggaa 1140
232 gcagctcttc gatataacct gacgatccca gacgtcagcg tgagtgatgt gccatttctc 1200
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235 cgaaagaact acgggcagct ggacatcttt ccagcccggtg atacctacca tcctatgagc 1380
236 gactacccca cctaccacac ccatgggcgc tatgtcccc ctagcagtag ctagcgtagc 1440
237 ccctatgaga aggtttctgc aggtaatggt ggcagcagcc tctcttacac aaaccagca 1500
238 gtggcagcca cttctgcca cttgtag 1527
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243 <212> TYPE: PRT
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248 1 5 10 15
250 Val Leu Thr Ala Thr Thr Ala Pro Lys Pro Ala Thr Val Val Thr Gly
251 20 25 30
253 Ser Gly His Ala Ser Ser Thr Pro Gly Gly Glu Lys Glu Thr Ser Ala
254 35 40 45
256 Thr Gln Arg Ser Ser Val Pro Ser Ser Thr Glu Lys Asn Ala Val Ser
257 50 55 60
259 Met Thr Ser Leu Ile Ser Asn Ser Gly Val Arg Gly Ser Thr Ala Pro
260 65 70 75 80
262 Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly
263 85 90 95
265 Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg
266 100 105 110
268 Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala
269 115 120 125

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271 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly
272      130                      135                      140
274 Val Thr Ser Ala Pro Asp Thr Arg Arg Ala Pro Gly Ser Thr Pro Ala
275 145                      150                      155                      160
277 Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp
278                      165                      170                      175
280 Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr
281                      180                      185                      190
283 Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val
284                      195                      200                      205
286 His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr
287      210                      215                      220
289 Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser
290 225                      230                      235                      240
292 Lys Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr
293                      245                      250                      255
295 Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser Thr His His
296                      260                      265                      270
298 Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln
299                      275                      280                      285
301 Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn
302      290                      295                      300
304 Leu Gln Phe Pro Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln
305 305                      310                      315                      320
307 Glu Leu Gln Arg Asp Ile Ser Gln Met Phe Leu Gln Ile Tyr Lys Gln
308                      325                      330                      335
310 Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val
311                      340                      345                      350
313 Leu Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His
314                      355                      360                      365
316 Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg
317      370                      375                      380
319 Tyr Asn Leu Thr Ile Pro Asp Val Ser Val Ser Asp Val Pro Phe Pro
320 385                      390                      395                      400
322 Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly Ile Ala Leu
323                      405                      410                      415
325 Leu Leu Leu Val Cys Val Leu Val Ala Leu Ala Ile Val Tyr Leu Ile
326                      420                      425                      430
328 Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly Gln Leu Asp
329                      435                      440                      445
331 Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu Tyr Pro Thr
332      450                      455                      460
334 Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr Asp Arg Ser
335 465                      470                      475                      480
337 Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser Leu Ser Tyr
338                      485                      490                      495
340 Thr Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
341                      500                      505

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Output Set: N:\CRF3\02112002\J057136.raw